

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

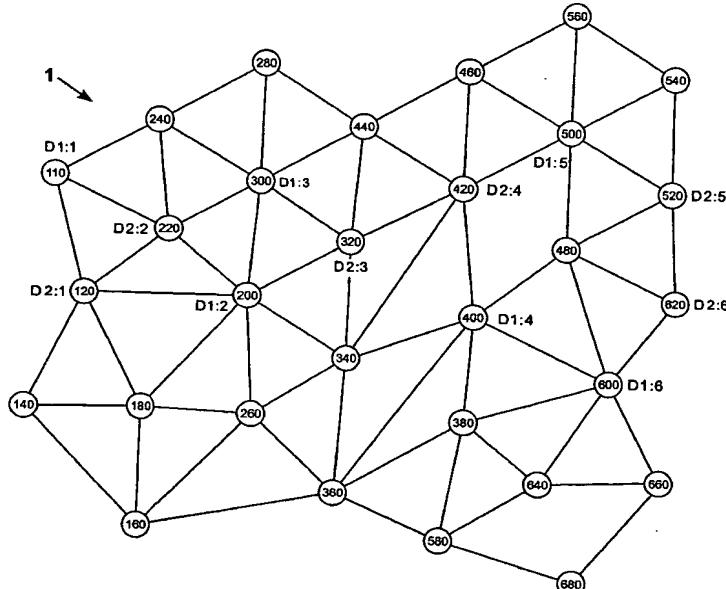
PCT

(10) International Publication Number
WO 2005/001713 A1

- (51) International Patent Classification⁷: **G06F 17/30**
- (21) International Application Number:
PCT/IB2004/001604
- (22) International Filing Date: 7 May 2004 (07.05.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03014829.0 30 June 2003 (30.06.2003) EP
- (71) Applicant (for all designated States except US): INTERNATIONAL BUSINESS MACHINES CORPORATION [US/US]; New Orchard Road, Armonk, NY 10504 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BAUER, Daniel M. [CH/CH]; Alte Zuercherstrasse 43, CH-8903 Birmensdorf (CH). HURLEY, Paul T. [IE/CH]; Brunnenmoosstrasse 7, CH-8802 Kilchberg (CH). WALDVOGEL, Marcel
- [CH/CH]; Anton Graff-Strasse 15, CH-8400 Winterthur (CH).
- (74) Agents: TOLETI, Martin et al.; IBM Research GmbH, Zurich Research Laboratory, Saeumerstrasse 4 / Postfach, CH-8803 Rueschlikon (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: RETRIEVING A REPLICA OF AN ELECTRONIC DOCUMENT IN A COMPUTER NETWORK



WO 2005/001713 A1

(57) Abstract: There are introduced ways for retrieving or depositing a replica of an electronic document in a computer network. After having selected at least one replica number, a hash function is applied. The function requires as input the replica number and a document identifier. The function returns as a result at least one entity identifier, each entity identifier representing an entity in the network that might provide the replica. In a next step, a document related request is addressed to at least one of the identified entities.



Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.